NABIL JOHNY

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HIGHLIGHTS OF QUALIFICATION

- **Highly Skilled In:** Java, Python, JavaScript(React, Node, Next.js), TypeScript, unix, git, AWS
- Confident, articulate, and professional verbal and written abilities, empathetic listener and persuasive speaker.
- Ability to stay calm in stressful situations and able to solve complex problems in a creative and efficient manner.

EDUCATION

Bachelor's of Software and Biomedical Engineering CO-OP   September 2020 – April 2025
McMaster University, Hamilton, ON

- Presidents Award, Dean's Honor List (2020 – 2023)
- Relevant Courses: Data Structures and Algorithms, Object Oriented Programming, Software Design, Databases

EXPERIENCE

Software Back-end Engineer Intern   Jan 2024 – Present
IBM, Markham, ON

- Incoming intern specializing in backend development using Java, with a focus on software containerization using Docker, Kubernetes, and OpenShift, particularly within the IBM Cloud environment.

Software Quality Engineer Intern   May 2023 – August 2023
TD Bank, Toronto, ON

- Developed a java utility application, using SQL to access customer database, decreasing overall functional testing times by **50%.**
- Automated E2E test cases using Selenium, Rest assured, Java, Cucumber, and SQL, resulting in **60% decreased testing** time with improved performance and coverage in regression tests.
- Curated 15+ fraudulent data sets for development and performed validation testing of the fraud indicators achieving **3% increase** in accuracy.

Software Quality Engineer Intern   May 2022 – August 2022
TD Bank, Toronto, ON

- Spearheaded the testing on TD Web micro-services by prioritizing accessibility across browsers devices, leading to a **20% increase in interaction** on the application, using JAWs.
- Remodelled test cases using JIRA, JTMF and Postman for API maintenance which resulted in the formation of in-depth documentation of requirements and design files, improving testing system and deliverables.
- Created a web scraper to extract the XPath of all the elements within each micro-app to **decreasing testing times by 10%**.

PROJECTS

PickMeUp

- Engineered a carpool matchmaking feature utilizing a customized algorithm to dynamically track users' locations and optimize carpool routes with Google Maps API.
- Designed an MVC-based system, fostering clear separation of concerns, streamlining development, and enhancing code organization and maintainability..
- Integrated Firebase API for efficient front-end to back-end data flow, **reducing query time by 13%** through low coupling and high cohesion principles.

AnswerMe

- Developed a full-stack application for accessing ChatGPT without the need for an internet connection, via a text-based interface for SMS communication and voice recognition for vocal responses.
- Utilized Python, Flask, OpenAI API, and Twilio's call/SMS API to enable users to send SMS messages or make phone calls to chatGPT, receiving text or vocal responses.
- Implemented a user friendly front-end sign-up interface using JavaScript, HTML, and CSS.